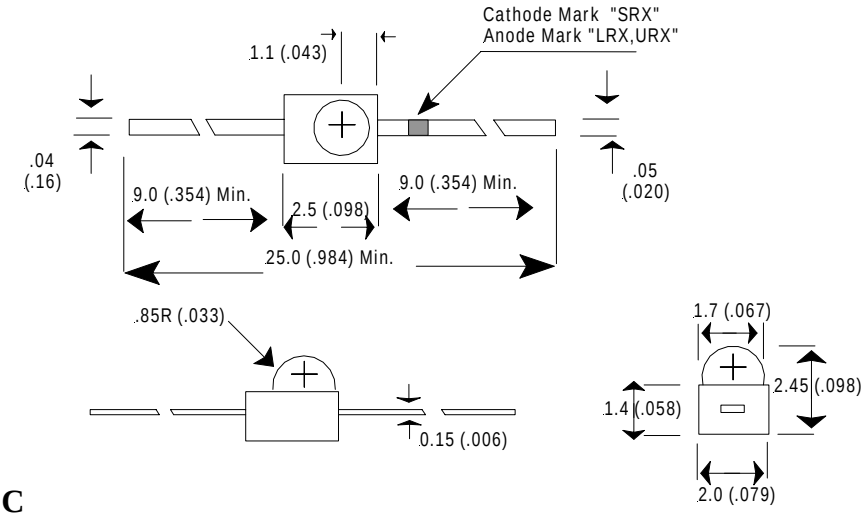
MCD Electronics Incorporated

Innovative Solutions With Light

MCDL-170XX (1.7 MM T- 3/4 AXIAL)

Lens Color: **See Below**
Lens Dimension: **1.70 mm**



Absolute Maximum Ratings At Ta = 25° C

Parameter	Max		Unit
Reverse Voltage	**5**		**V**
Power Dissipation (mW)	**115**		**mW**
Operation Temperature (°C)	**-40° -**	**+80°**	
Storage Temperature (°C)	**-40°**	**+100°**	
Solder DIP (5 seconds, 1.6 mm from body) Temperature	**260**	**± 5°C**	

Electrical Characteristics At Ta= 25°C

Part Number	Emitted Color		Lens Color	Wave Length	Pd	I_F Peak*		V_F (V)			Viewing Angle 2θ	I_V (I_F = 10mA) mcd	
	Chip	Color		λ PEAK	Mw	mA	mA	Min	Typ	Max	Degrees	Min	Typ
MCDL-170HT	GaP	Bright Red	Color Tinted	700	45	15	50	1.7	2.1	2.8	100	2.4	3.5
MCDL-170ET	GaAsP/GaP	HER	Color Tinted	635	100	30	160	1.7	2.0	2.8	100	4.0	7.0
MCDL-170GT	GaP	Green	Color Tinted	565	100	30	160	1.7	2.1	2.8	100	4.0	6.0
MCDL-170YT	GaAsP/GaP	Yellow	Color Tinted	585	100	30	160	1.7	2.1	2.8	100	4.0	6.0
MCDL-170SRT	GaAlAs	Super Red	Color Tinted	660	60	20	160	1.6	1.8	2.1	100	7.0	15.0
MCDL-170LRT	GaAlAs	Super Red	Color Tinted	660	60	20	160	1.6	1.8	2.1	100	15.0	25.0
MCDL-170URT	GaAlAs	Super Red	Color Tinted	660	60	20	160	1.6	1.8	2.1	100	25.0	40.0
MCDL-170HC	GaP	Bright Red	Water Clear	700	45	15	50	1.7	2.1	2.8	100	2.4	3.5
MCDL-170EC	GaAsP/GaP	HER	Water Clear	635	100	30	160	1.7	2.0	2.8	100	4.0	7.0
MCDL-170GC	GaP	Green	Water Clear	565	100	30	160	1.7	2.1	2.8	100	4.0	6.0
MCDL-170YC	GaAsP/GaP	Yellow	Water Clear	585	100	30	160	1.7	2.1	2.8	100	4.0	6.0
MCDL-170SRC	GaAlAs	Super Red	Water Clear	660	60	20	160	1.6	1.8	2.1	100	7.0	15.0
MCDL-170LRC	GaAlAs	Super Red	Water Clear	660	60	20	160	1.6	1.8	2.1	100	15.0	25.0
MCDL-170URC	GaAlAs	Super Red	Water Clear	660	60	20	160	1.6	1.8	2.1	100	25.0	40.0

* Peak Forward Current, tw ,=1 msec. Duty ,= 1/10

Notes:
- All Dimensions are in millimeters (inches).
- Tolerance is ± 0.25mm (0.010") unless otherwise specified.
- Specifications are subject to change without notice.

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